

ABSTRACT OF THE DISCLOSURE

An intake air control apparatus for an engine is capable of suppressing the influence of external magnetic flux from outside thereby to prevent a variation in an output of a rotational angle detection sensor due to the external magnetic flux. A permanent magnet is provided on an end portion of a shaft. A rotational angle detection sensor is disposed in a spaced parallel relation with respect to the permanent magnet, and has a magnetoresistive element for detecting a change in direction of a magnetic flux of the permanent magnet thereby to detect a rotational angle of a throttle valve. A bypass member is disposed to enclose the rotational angle detection sensor with its side near the permanent magnet apertured to form an opening surface, the bypass member being made of a magnetic material which is adapted to form a bypass path for the magnetic flux from the permanent magnet.